

WATER QUALITY

Pre-Visit Activity

Activity

The Magic School Bus at the Waterworks



Setting

Classroom

Duration

30 minutes

Subject Areas

Language Arts, Science

Skills

Listening, Vocabulary, Analyzing, Interpreting

Grade Level

2-3

Objectives:

Students will be able to:

1. define water
2. identify the water cycle
3. describe how water can be purified
4. recognize that clear water is not always clean water
5. identify two ways to conserve water

WV-IGOs:

Listening/Speaking - 2.50, 2.60, 2.11, 3.70, 3.80

Science - 2.40, 2.50, 2.60, 2.45, 2.63, 3.50, 3.45, 3.60, 3.70, 3.80, 3.81

VOCABULARY

liquid

water cycle

solid

reservoir

gas

purify

evaporate

impurities

water vapor

chlorine

MATERIALS

1. book: *The Magic School Bus at the Waterworks* by Joanna Cole

BACKGROUND

Less than one percent of all water on earth is fresh water that we can drink. The rest is saltwater found in the oceans or is fresh water frozen in glaciers.

This activity will expose students to various water sources and will take them through the steps involved in the purification process.

PROCEDURES

1. Introduce students to vocabulary words that will be discussed in the book (found under "vocabulary" at left; definitions are found in the unit glossary).
2. Read the book to students, stopping at each page to discuss the information presented.
3. Review the water chart shown on pages 34-35 of the book as a follow-up.

EVALUATION

Have students:

1. describe steps of the water cycle
2. list ways that water becomes impure
3. list the steps in the purification process
4. list two ways they can help conserve water





Extension

1. Students could create their own water chart (similar to the one shown on pages 34-35 of the book) as a bulletin board or a mural for their classroom.
2. Have a guest speaker from a local water treatment plant visit your classroom to discuss the water purification process.

